Beatriz G Galvez

List of Publications by Year in Descending Order

65 papers	4,776 citations	33 h-index	69 g-index
70 ext. papers	5,258 ext. citations	7.2 avg, IF	4.9 L-index

#	Paper	IF	Citations
65	BMPER is upregulated in obesity and seems to have a role in pericardial adipose stem cells. *Journal of Cellular Physiology*, **2021**, 236, 132-145	7	1
64	Lifestyle interventions for the prevention and treatment of hypertension. *Nature Reviews Cardiology*, **2021**, 18, 251-275	14.8	33
63	Application of low-intensity pulsed therapeutic ultrasound on mesenchymal precursors does not affect their cell properties. *PLoS ONE*, **2021**, 16, e0246261	3.7	0
62	Successful aging: insights from proteome analyses of healthy centenarians. *Aging*, **2020**, 12, 3502-3515	5.6	18
61	Ultrasound Therapy: Experiences and Perspectives for Regenerative Medicine. *Genes*, **2020**, 11,	4.2	9
60	Adipokines disrupt cardiac differentiation and cardiomyocyte survival. *International Journal of Obesity*, **2020**, 44, 908-919	5.5	1
59	Functional Assays of Stem Cell Properties Derived from Different Niches. *Methods in Molecular Biology*, **2019**, 2002, 29-38	1.4	
58	Muscle molecular adaptations to endurance exercise training are conditioned by glycogen availability: a proteomics-based analysis in the McArdle mouse model. *Journal of Physiology*, **2018**, 596, 1035-1061	3.9	12
57	Unhealthy Stem Cells: When Health Conditions Upset Stem Cell Properties. *Cellular Physiology and Biochemistry*, **2018**, 46, 1999-2016	3.9	20
56	Importance and regulation of adult stem cell migration. *Journal of Cellular and Molecular Medicine*, **2018**, 22, 746-754	5.6	40
55	Circulating leptin and adiponectin concentrations in healthy exceptional longevity. *Mechanisms of Ageing and Development*, **2017**, 162, 129-132	5.6	11
54	Adipose stem cells from obese patients show specific differences in the metabolic regulators vitamin D and Gas5. *Molecular Genetics and Metabolism Reports*, **2017**, 12, 51-56	1.8	14
53	iPSCs-based anti-aging therapies: Recent discoveries and future challenges. *Ageing Research Reviews*, **2016**, 27, 37-41	12	4
52	Biological Rationale for Regular Physical Exercise as an Effective Intervention for the Prevention and Treatment of Depressive Disorders. *Current Pharmaceutical Design*, **2016**, 22, 3764-75	3.3	12
51	Membrane Blebbing Is Required for Mesenchymal Precursor Migration. *PLoS ONE*, **2016**, 11, e0150004	3.7	9
50	New insight on obesity and adipose-derived stem cells using comprehensive metabolomics. *Biochemical Journal*, **2016**, 473, 2187-203	3.8	25
49	Adipaging: ageing and obesity share biological hallmarks related to a dysfunctional adipose tissue. *Journal of Physiology*, **2016**, 594, 3187-207	3.9	93

48	Obesity-driven alterations in adipose-derived stem cells are partially restored by weight loss. *Obesity*, **2016**, 24, 661-9	8	19
47	MiR-93 Controls Adiposity via Inhibition of Sirt7 and Tbx3. *Cell Reports*, **2015**, 12, 1594-605	10.6	82
46	Low-Intensity Pulsed Ultrasound Improves the Functional Properties of Cardiac Mesoangioblasts. *Stem Cell Reviews and Reports*, **2015**, 11, 852-65	6.4	16
45	Targeted disruption of the SUCNR1 metabolic receptor leads to dichotomous effects on obesity. *Diabetes*, **2015**, 64, 1154-67	0.9	52
44	Altered metabolic and stemness capacity of adipose tissue-derived stem cells from obese mouse and human. *PLoS ONE*, **2015**, 10, e0123397	3.7	59
43	Transcriptional profiling of interleukin-2-primed human adipose derived mesenchymal stem cells revealed dramatic changes in stem cells response imposed by replicative senescence. *Oncotarget*, **2015**, 6, 17938-57	3.3	16
42	Targeting endothelial junctional adhesion molecule-A/ EPAC/ Rap-1 axis as a novel strategy to increase stem cell engraftment in dystrophic muscles. *EMBO Molecular Medicine*, **2014**, 6, 239-58	12	30
41	Simple measurement of the apparent viscosity of a cell from only one picture: Application to cardiac stem cells. *Physical Review E*, **2014**, 90, 052715	2.4	12
40	The potential of stem cells in the treatment of cardiovascular diseases. *Stem Cell Reviews and Reports*, **2013**, 9, 814-32	6.4	15
39	An opto-structural method to estimate the stress-strain field induced by cell contraction on substrates of controlled stiffness in vitro. *Journal of Applied Biomaterials and Functional Materials*, **2013**, 11, e143-50	1.8	2
38	Obese-derived ASCs show impaired migration and angiogenesis properties. *Archives of Physiology and Biochemistry*, **2013**, 119, 195-201	2.2	35
37	Metabolic rescue of obese adipose-derived stem cells by Lin28/Let7 pathway. *Diabetes*, **2013**, 62, 2368-79	8.9	50
36	Isolation, characterization and differentiation potential of cardiac progenitor cells in adult pigs. *Stem Cell Reviews and Reports*, **2012**, 8, 706-19	6.4	4
35	L-selectin and SDF-1 enhance the migration of mouse and human cardiac mesoangioblasts. *Cell Death and Differentiation*, **2012**, 19, 345-55	12.7	19
34	Method for obtaining committed adult mesenchymal precursors from skin and lung tissue. *PLoS ONE*, **2012**, 7, e53215	3.7	13
33	Mitochondria determine the differentiation potential of cardiac mesoangioblasts. *Stem Cells*, **2011**, 29, 1064-74	5.8	32
32	miR669a and miR669q prevent skeletal muscle differentiation in postnatal cardiac progenitors. *Journal of Cell Biology*, **2011**, 193, 1197-212	7.3	59
31	A new paradigm for the understanding of obesity: the role of stem cells. *Archives of Physiology and Biochemistry*, **2011**, 117, 188-94	2.2	9

30	Sox2 transduction enhances cardiovascular repair capacity of blood-derived mesoangioblasts. *Circulation Research*, **2010**, 106, 1290-302	15.7	28
29	Mesoangioblasts from ventricular vessels can differentiate in vitro into cardiac myocytes with sinoatrial-like properties. *Journal of Molecular and Cellular Cardiology*, **2010**, 48, 415-23	5.8	17
28	MT1-MMP and integrins: Hand-to-hand in cell communication. *BioFactors*, **2010**, 36, 248-54	6.1	35
27	TNF-alpha is required for the attraction of mesenchymal precursors to white adipose tissue in Ob/ob mice. *PLoS ONE*, **2009**, 4, e4444	3.7	31
26	Human cardiac mesoangioblasts isolated from hypertrophic cardiomyopathies are greatly reduced in proliferation and differentiation potency. *Cardiovascular Research*, **2009**, 83, 707-16	9.9	41
25	Skeletal muscle differentiation of embryonic mesoangioblasts requires pax3 activity. *Stem Cells*, **2009**, 27, 157-64	5.8	27
24	Cardiac mesoangioblasts are committed, self-renewable progenitors, associated with small vessels of juvenile mouse ventricle. *Cell Death and Differentiation*, **2008**, 15, 1417-28	12.7	87
23	Pericytes of human skeletal muscle are myogenic precursors distinct from satellite cells. *Nature Cell Biology*, **2007**, 9, 255-67	23.4	791
22	Nitric oxide release combined with nonsteroidal antiinflammatory activity prevents muscular dystrophy pathology and enhances stem cell therapy. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 264-9	11.5	145
21	Matrix metalloproteinases: new routes to the use of MT1-MMP as a therapeutic target in angiogenesis-related disease. *Current Pharmaceutical Design*, **2007**, 13, 1787-802	3.3	41
20	Cells migrating to sites of tissue damage in response to the danger signal HMGB1 require NF-kappaB activation. *Journal of Cell Biology*, **2007**, 179, 33-40	7.3	219
19	Functional interplay between endothelial nitric oxide synthase and membrane type 1 matrix metalloproteinase in migrating endothelial cells. *Blood*, **2007**, 110, 2916-23	2.2	45
18	Cells migrating to sites of tissue damage in response to the danger signal HMGB1 require NF-B activation. *Journal of Experimental Medicine*, **2007**, 204, i24-i24	16.6	
17	Ex vivo treatment with nitric oxide increases mesoangioblast therapeutic efficacy in muscular dystrophy. *Journal of Cell Science*, **2006**, 119, 5114-23	5.3	51
16	Perivascular adipose tissue and mesenteric vascular function in spontaneously hypertensive rats. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, 1297-302	9.4	133
15	Complete repair of dystrophic skeletal muscle by mesoangioblasts with enhanced migration ability. *Journal of Cell Biology*, **2006**, 174, 231-43	7.3	169
14	Mesoangioblast stem cells ameliorate muscle function in dystrophic dogs. *Nature*, **2006**, 444, 574-9	50.4	615
13	MT1-MMP: universal or particular player in angiogenesis?. *Cancer and Metastasis Reviews*, **2006**, 25, 77-86	9.6	112

12	Complete repair of dystrophic skeletal muscle by mesoangioblasts with enhanced migration ability. *Journal of Experimental Medicine*, **2006**, 203, i21-i21	16.6	
11	Distinctive functions of membrane type 1 matrix-metalloprotease (MT1-MMP or MMP-14) in lung and submandibular gland development are independent of its role in pro-MMP-2 activation. *Developmental Biology*, **2005**, 277, 255-69	3.1	105
10	Membrane type 1-matrix metalloproteinase is involved in migration of human monocytes and is regulated through their interaction with fibronectin or endothelium. *Blood*, **2005**, 105, 3956-64	2.2	100
9	Membrane type 1-matrix metalloproteinase is regulated by chemokines monocyte-chemoattractant protein-1/ccl2 and interleukin-8/CXCL8 in endothelial cells during angiogenesis. *Journal of Biological Chemistry*, **2005**, 280, 1292-8	5.4	85
8	Up-regulation of vascular endothelial growth factor-A by active membrane-type 1 matrix metalloproteinase through activation of Src-tyrosine kinases. *Journal of Biological Chemistry*, **2004**, 279, 13564-74	5.4	110
7	Stromal cell-derived factor-1alpha promotes melanoma cell invasion across basement membranes involving stimulation of membrane-type 1 matrix metalloproteinase and Rho GTPase activities. *Cancer Research*, **2004**, 64, 2534-43	10.1	126
6	Caveolae are a novel pathway for membrane-type 1 matrix metalloproteinase traffic in human endothelial cells. *Molecular Biology of the Cell*, **2004**, 15, 678-87	3.5	150
5	Complex pattern of membrane type 1 matrix metalloproteinase shedding. Regulation by autocatalytic cells surface inactivation of active enzyme. *Journal of Biological Chemistry*, **2002**, 277, 26340-50	5.4	98
4	ECM regulates MT1-MMP localization with beta1 or alphavbeta3 integrins at distinct cell compartments modulating its internalization and activity on human endothelial cells. *Journal of Cell Biology*, **2002**, 159, 509-21	7.3	182
3	The hepatitis B virus X protein promotes tumor cell invasion by inducing membrane-type matrix metalloproteinase-1 and cyclooxygenase-2 expression. *Journal of Clinical Investigation*, **2002**, 110, 1831-8	15.9	76
2	The hepatitis B virus X protein promotes tumor cell invasion by inducing membrane-type matrix metalloproteinase-1 and cyclooxygenase-2 expression. *Journal of Clinical Investigation*, **2002**, 110, 1831-1838	15.9	142
1	Membrane type 1-matrix metalloproteinase is activated during migration of human endothelial cells and modulates endothelial motility and matrix remodeling. *Journal of Biological Chemistry*, **2001**, 276, 37491-500	5.4	185